FAST PROCESSING, INC. (DAR SITE ID #114)

Address:	323 Moffat Street, Brooklyn, New York 11237 (319 Moffat Street)
Tax Lot Parcel(s):	Brooklyn Block 3443, Lots 54 and 59
Latitude:	40.691319
Longitude:	-73.903053
Regulatory Programs/ Numbers/Codes:	Expired IWD Permit No. P527, USEPA FRS ID No. 110018860614; AFS ID No. 36047R3239
Analytical Data Status:	☐ Electronic Data Available ☒ Hardcopies only ☐ No Data Available

1 SUMMARY OF CONSTITUENTS OF POTENTIAL CONCERN (COPCs) TRANSPORT PATHWAYS TO THE CREEK

The current understanding of the transport mechanisms of COPCs from the upland portions of the Fast Processing, Inc. site (site) to Newtown Creek is summarized in this section and Table 1 and supported in following sections.

Overland Transport

This site is 1.9 miles from Newtown Creek and associated waterways. This is not a complete current or historical pathway.

Bank Erosion

This site is not adjacent to Newtown Creek and associated waterways. This is not a complete current or historical pathway.

Groundwater

The site is located approximately 1.9 miles from Newtown Creek and associated waterways. Information regarding on-site groundwater investigations was not identified in documents available for review. There is insufficient evidence to make a current or historical pathway determination.

Overwater Activities

This site is not adjacent to Newtown Creek and associated waterways. Information regarding overwater activities was not identified in documents available for review. This is not a complete current or historical pathway.

Stormwater/Wastewater Systems

Information regarding on-site stormwater and wastewater infrastructure and management was not identified in documents available for review. The site is within the Newtown Creek Water Pollution Control Plant (WPCP) sewershed. Stormwater and wastewater discharges from the site flow into a combined municipal sewer system. When the combined flows exceed the system's capacity, untreated combined sewer overflows (CSOs) are discharged to Newtown Creek (NYCDEP 2007).

Three expired industrial wastewater discharge (IWD) permits have been obtained for the site (NYCDEP 1995, 2000, 2001). A current IWD permit for the site was not located. The site had multiple violations between 1990 and 2004. Details of these violations are described in Section 9.3 of this site summary. The IWD permits and violations suggest discharge to the sewer/CSO is a complete historical pathway for the site to the extent that these discharges were coincident with CSO discharges to Newtown Creek. There is insufficient evidence to make a current pathway determination discharge to the sewer/CSO. There is also insufficient evidence to make a current or historical pathway determination for direct discharge of stormwater and wastewater.

Air Releases

Documents show that the site operates under an air permit for perchloroethylene discharges (last updated November 1, 2011), Air Facility System (AFS) 36047R3239 (USEPA 2011). No other information on air permits or data has been found in the reviewed documents. Based on the existence of an air permit, there appears to be air releases from the site; however, the site is 2.5 miles from the creek. There is insufficient evidence to make a current or historical pathway determination.

2 PROJECT STATUS

Information regarding on-site environmental investigations was not identified in documents available for review. A New York State Department of Environmental Conservation (NYSDEC) Site Code was not found for this site.

3 SITE OWNERSHIP HISTORY

Respondent Member: ☐ Yes ☒ No

Owner	Years	Occupant	Types of Operations
323 Realty Corporation	Unknown – 1943	Unknown	Unknown
Client of Kalmon Dolgin, Inc.	1943 – Unknown		Yarn dyeing
Dansei Realty Corp (lot 59)	Unknown – 1984		Unknown
Seekos Processing Inc. (lots 54 & 59)	1984 – 2005	Fast Processing, Inc.	Textile dyer, linen and wool
	2005 – present	Unknown	Unknown

4 PROPERTY DESCRIPTION

The property at 323 Moffat Street occupies approximately 0.225 acre located approximately 1.9 miles south of Newtown Creek. The site appears to be covered entirely by a building. The site is at approximately 70 feet above mean sea level and the surrounding area slopes east to west.

The site area is zoned M1. M1 districts are manufacturing districts designated for areas with light industrial uses adjacent to residential or commercial uses (NYCDCP 2011). The property is surrounded by manufacturing and residential facilities with Moffat Street bordering the site on the southeast. The current site layout is presented in Figure 1.

5 CURRENT SITE USE

Little information is available for the site, and its current use is unknown. Fast Processing, Inc. operations involved washing and dyeing of linen and wool; however, documents reviewed recorded that the facility planned to close in the middle of March 2005 (NYCDEP 2005b). An operations site plan from 2004 is included as Attachment 1.

6 SITE USE HISTORY

The first known structure on the site was a general storage building around 1933 (Sanborn 1933). In 1943, the site contained a one-story factory building and was sold by 323 Realty Corporation to be used as a yarn dyeing plant (NYT 1943).

Seekos Processing, Inc. purchased 323 Moffat at an unknown date. Seekos bought 319 Moffat from Dansei Realty Corporation in 1984 (Dansei Realty Corp. 1984).
The Uniform Commercial Code document filed in 1989 listed Fast Processing, Inc. as occupying 319-323 Moffat Street (Fast Processing, Inc. 1989). Seekos Processing, Inc. and Fast Processing, Inc. shared an address and both listed Jacob Schwartz as Chief Executive Officer (NYSDOS 2012a; NYSDOS 2012b).

Fast Processing, Inc. conducted wool and linen dyeing on the site (NYCDEP 1991; NYCDEP 2004).

7 CURRENT AND HISTORICAL AREAS OF CONCERN AND COPCs

The current understanding of the historical and current potential upland and overwater areas of concern at the site is summarized in Table 1. The following sections provide brief discussion of the potential sources and COPCs at the site requiring additional discussion.

Areas of concern at the site include areas in which yarn and textile dying and processing occurred. COPCs associated with these areas include total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), and chlorinated VOCs.

7.1 Uplands

Fast Processing, Inc. maintained an IWD permit (NYCDEP 1995) that had one discharge point to the municipal sewer, a 6-inch-diameter ground floor housetrap (NYCDEP 2000).

The business closed in 2005 and was ordered to disconnect and seal all pipes, drains, and connections to the public sewer (NYCDEP 2005a). Other historical sources could include COPCs used in yarn, wool, and linen dyeing, as well as the source of the perchloroethylene for which the air permit was acquired.

7.2 Overwater Activities

This site is not adjacent to Newtown Creek or associated waterways. Information regarding overwater activities was not identified in documents available for review.

7.3 Spills

Information regarding on-site spills was not identified in documents available for review.

8 PHYSICAL SITE SETTING

Site-specific hydrogeologic information was not identified in documents available for review. The geologic setting for Newtown Creek consists of impermeable Precambrian and Paleozoic crystalline bedrock, overlain by the Upper Cretaceous Raritan formation, Magothy formation and Matawan Group (undifferentiated), unconsolidated Pleistocene deposits and upper Pleistocene glacial deposits and Holocene shore, beach salt-marsh deposits, and alluvium, along with local occurrences of artificial fill (Buxton et al. 1981; Soren and Simmons 1987). The primary areas of groundwater discharge are Newtown Creek and its tributaries and the East River (Misut and Monti 1999). In the vicinity of Newtown Creek, groundwater flow in the Upper Glacial aquifer is generally north and south towards the creek. With increased distance from the creek, groundwater will flow towards the nearest surface water body to discharge (Misut and Monti 1999). Incidences of perched groundwater may occur above the Upper Glacial Aquifer in some areas, particularly in formerly low-lying areas that have been filled. Groundwater flow at a specific property may differ from the regional pattern due to pumping for groundwater treatment or dewatering activities (Misut and Monti 1999), the presence of buried utilities, or other preferential pathways.

9 NATURE AND EXTENT (CURRENT UNDERSTANDING OF ENVIRONMENTAL CONDITIONS)

9.1 Soil

Soil Investigation	☐ Yes ☒ No
Bank Samples	☐ Yes ☐ No ☒ Not Applicable
Soil-Vapor Investigations	☐ Yes ☒ No

Information regarding on-site soil investigations was not identified in documents available for review.

9.2 Groundwater

Groundwater Investigation	☐ Yes ☒ No
NAPL Presence (Historical and Current)	☐ Yes ☒ No
Dissolved COPC Plumes	☐ Yes ☒ No
Visual Seep Sample Data	☐ Yes ☐ No ☒ Not Applicable

Information regarding on-site groundwater investigations was not identified in documents available for review.

9.3 Surface Water

Surface Water Investigation	☐ Yes ☒ No
SPDES Permit (Current or Past)	☐ Yes ☒ No
Industrial Wastewater Discharge (IWD) Permit (Current or Past)	☒ Yes ☐ No
Stormwater Data	☐ Yes ☒ No
Catch Basin Solids Data	☐ Yes ☒ No
Wastewater Data	☒ Yes ☐ No

9.3.1 Stormwater and Wastewater Systems

This site is within the Newtown Creek WPCP sewershed. Stormwater and wastewater discharges from the site flow into a combined municipal sewer system. When the combined flows exceed the system's capacity, untreated CSOs are discharged to Newtown Creek (NYCDEP 2007).

9.3.2 Industrial Waste Discharge Permit

According to available records, the site has obtained three IWD permits in the past, as summarized in the following table:

Permit Number	Effective Date	Expiration Date
95-P527-1 (NYCDEP 1995)	08/22/95	08/21/95
00-P527-1 (NYCDEP 2000)	08/22/00	08/21/05
01-P527-1 (NYCDEP 2001)	04/10/01	04/09/06

Note:
NYCDEP – New York City Department of Environmental Protection

One permitted discharge point was identified in the IWD permits.

9.3.3 Sampling Data

Since the original permit was issued in 1995, the site has received various orders from NYCDEP and notices of violation (NOV) from the City of New York Environmental Control Board for non-compliances such as exceeding permit limits, failure to submit the Tier II report (NYCECB 1990a), failure to submit wastewater results for molybdenum (NYCDEP 1996), and failure to comply with the Commissioner's order to submit process and pretreatment report (NYCECB 2004b). Permit exceedances identified in available documentation are summarized as follows:

Violation Code	Report Date	Constituent	Result	Unit	Limit	Source
P23	12/12/901	pH	3.5	SU	5.0 – 9.5	NYCECB 1990b
	07/21/911	pH	>9.5	SU	5.0 – 9.5	NYCDEP 1991
P38	03/12/01	pH	4	SU	5.0 – 11.0	NYCECB 2001
P36	03/12/01	Petroleum hydrocarbons	248.4	mg/L	50	
P38	02/10/04	pH	3.6	SU	5.0 – 11.0	NYCECB 2004a

Notes:
1 – Discharge limit was per Commissioner's Order and Directive dated August 22, 1990 prior to issuance of an Industrial Wastewater Discharge permit (NYCDEP 1990).
mg/L – milligram per liter
NYCDEP – New York City Department of Environmental Protection
NYCECB – New York City Environmental Control Board
SU – standard unit

9.4 Sediment

Creek Sediment Data ☐ Yes ☐ No ☒ Not Applicable

Information regarding sediment investigations was not identified in documents available for review.

9.5 Air

Air Permit ☒ Yes ☐ No

Air Data ☐ Yes ☒ No

The site has an air permit (AFS ID 36047R3239) that was last updated on November 1, 2011 (USEPA 2011). Further information regarding air emissions from the site was not identified in documents available for review.

10 REMEDIATION HISTORY (INTERIM REMEDIAL MEASURES AND OTHER CLEANUPS)

Information regarding on-site remedial activities was not identified in documents available for review.

11 BIBLIOGRAPHY/INFORMATION SOURCES

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12 ATTACHMENTS

Figures

Figure 1 Site Vicinity Map: Fast Processing, Inc.

Tables

Table 1 Potential Areas of Concern and Transport Pathways Assessment

Supplemental Attachments

Attachment 1 Operations Diagram (NYCDEP 2004)

Table 1

Potential Areas of Concern and Transport Pathways Assessment – Fast Processing, Inc.

Potential Areas of Concern	Media Impacted					COPCs														Potential Complete Pathway						
						TPH			VOCs																		
Description of Areas of Concern	Surface Soil	Subsurface Soil	Groundwater	Catch Basin Solids	Creek Sediment	Gasoline-Range	Diesel – Range	Heavier – Range	Petroleum Related (e.g., BTEX)	VOCs	Chlorinated VOCs	SVOCs	PAHs	Phthalates	Phenolics	Metals	PCBs	Herbicides and Pesticides	Dioxins/Furans	Overland Transport	Groundwater	Direct Discharge – Overwater	Direct Discharge – Storm/Wastewater	Discharge to Sewer/CSO	Bank Erosion	Air Releases
Industrial Wastewater Discharge (IWD)	--	--	--	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	--	?	--	--	√	--	?
Linen and Wool Dyeing Processing Area	?	?	?	?	?	?	?	?	?	?	√	?	?	?	?	?	?	?	?	--	?	--	--	?	--	?

Notes:
√ – COPCs are/were present in areas of concern having a current or historical pathway that is determined to be complete or potentially complete.
? – There is not enough information to determine if COPC is/was present in area of concern or if pathway is complete.
-- – Current or historical pathway has been investigated and shown to be not present or incomplete.

BTEX – benzene, toluene, ethylbenzene, and xylene
COPC – constituent of potential concern
CSO – combined sewer overflowIWD – industrial wastewater permit
PAH – polycyclic aromatic hydrocarbon
PCB – polychlorinated biphenyl
SVOC – semi-volatile organic compound
TPH – total petroleum hydrocarbon
VOC – volatile organic compound

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- USEPA Sample Locations (Surface and Subsurface)
- Shoreline (NYC Dept. of Information Technology, 2006)
- USGS Nat'l Elev. Dataset 5-foot Contours
- Selected Site Property Boundary
- Neighboring Site Property Boundary

Outfall Class

- Direct Discharge
- General
- Highway Drain
- Major Stormwater Outfall
- SPDES
- Storm Drain

NOTES:

1. Outfall Labeling: BB: Bowery Bay; NC(B/Q): Newtown Creek, Brooklyn/Queens; ST: Stormwater.
2. Outfall locations are preliminary, compiled, estimated data based on New York City Department of Environmental Protection (NYCDEP) maps and tabulated data and other resources. Many outfall locations were taken from the New York City Shoreline Survey Program: Newtown Creek Water Pollution Control Plant Drainage Area, NYCDEP, March 31, 2003. Other locations were taken from an excerpt from a similar report from 2008 (the complete report was not included in files available for review). Finally, some outfall locations were inherited from previous Anchor QEA and Newtown Creek Project work. Latitudinal and longitudinal data provided in the 2003 and 2008 NYCDEP reports were rounded to the nearest second. This resulted in potential outfall location discrepancies of up to approximately 200 feet. All outfall locations are currently under field verification.
3. Aerial Photos: New York State Division of Homeland Security and Emergency Services, 2010.
4. Site Boundaries are based on New York City parcels data.
5. Coarse topographic contours are derived from U.S. Geological Survey 10-meter data.

Feet

0 100 200 300 400

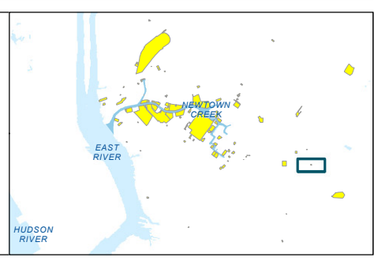

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Figure 1

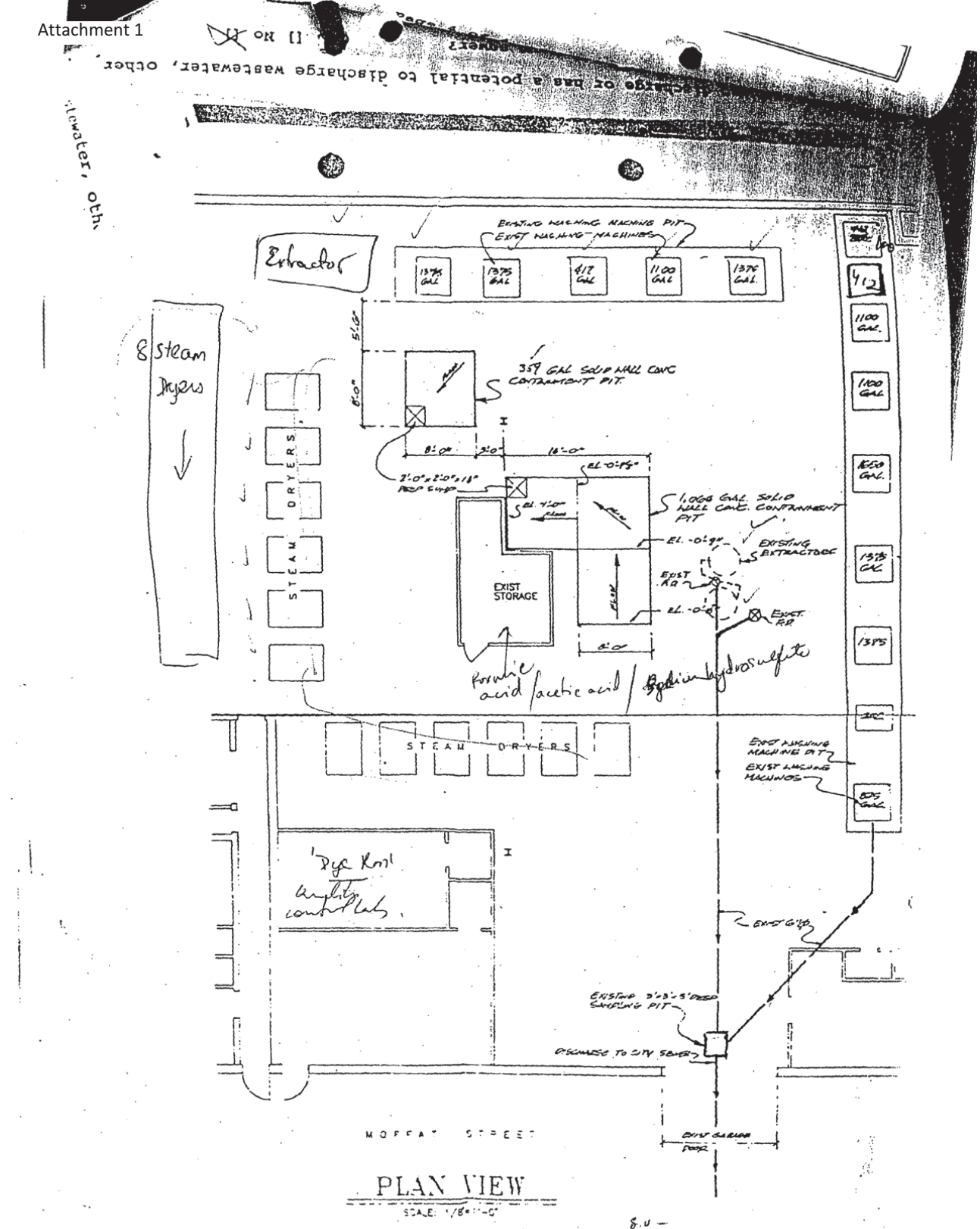
Site Vicinity Map

Draft Upland Site Summary: Fast Processing, Inc.

Newtown Creek RI/FS

SUPPLEMENTAL ATTACHMENTS

Attachment 1



PLAN VIEW

SCALE: 1/8"=1'-0"

pH = 8.0 – 9.0

P-527

Textile